Federal Communications Commission

signed by the applicant's attorney in case of the applicant's physical disability or of his absence from the United States. The attorney shall in that event separately set forth the reasons why the application is not signed by the applicant. In addition, if any matter is stated on the basis of the attorney's belief only (rather than his knowledge), he shall separately set forth his reasons for believing that such statements are true.

- (c) Only the original of applications, amendments, or related statements of fact need be signed; copies may be conformed.
- (d) Applications, amendments, and related statements of fact need not be submitted under oath. Willful false statements made therein, however, are punishable by fine and imprisonment, United States Code, title 18, section 1001, and by appropriate administrative sanctions, including revocation of station license pursuant to section 312(a)(1) of the Communications Act of 1934, as amended.

[37 FR 15926, Aug. 8, 1972]

§ 78.17 Amendment of applications.

Any application may be amended as a matter of right prior to the adoption date of any final action taken by the Commission with respect to the application, merely by filing the appropriate number of copies of the amendment in question duly executed in accordance with §78.16. If a petition to deny has been filed, the amendment shall be served on the petitioner.

[37 FR 15926, Aug. 8, 1972]

§78.18 Frequency assignments.

- (a) The Cable Television Relay Service is assigned the band of frequencies from 12.70 to 13.20 GHz. This band is shared with the Fixed-Satellite Service (earth-to-space) from 12.70 to 12.75 GHz and Television Auxiliary Broadcast Stations from 12.70 to 13.20 GHz. The following channels may be assigned to CARS stations for the propagation of radio waves with the indicated polarization:
- (1) For CARS stations using FM transmission:

GROUP A CHANNELS

Designation	Channel bound- aries (GHz)
A01 ¹	12.700-12.725
A021	12.725-12.750
A03 ¹	12.750-12.775
A04 ¹	12.775-12.800
A051	12.800-12.825
A06 1	12.825-12.850
A07 1	12.850-12.875
A08 ¹	12.875-12.900
A09 ¹	12.900-12.925
A10 ¹	12.925-12.950
A11 ¹	12.950-12.975
A12 ¹	12.975-13.000
A13 1	13.000-13.025
A14 ¹	13.025-13.050
A15 1	13.050-13.075
A16 ¹	13.075-13.100
A17 ¹	13.100-13.125
A18 ¹	13.125-13.150
A191	² 13.150-13.175
A201	² 13.170-13.200

¹ Appropriate polarization designation:

GROUP B CHANNELS

	CICOU D CHANNELS	
	Designation	Channel bound- aries (GHz)
B01 ¹		12.7125-
		12.7375
B02 ¹		12.7375-
D004		12.7625
B03 ¹		12.7625-
D041		12.7875
B04 ¹		12.7875-
B05 1		12.8125 12.8125–
DUD 1		12.8375
B06 ¹		12.8375
DU0 .		12.8625
B07 1		12.8625-
Doi		12.8875
B08 ¹		12.8875-
		12.9125
B09 ¹		12.9125-
		12.9375
B10 ¹		12.9375-
		12.9625
B11 ¹		12.9625-
		12.9875
B12 1		12.9875-
		13.0125
B131		13.0125-
		13.0375
B14 ¹		13.0375–
D4=1		13.0625
B15 ¹		13.0625-
D461		13.0875
B16 ¹		13.0875-
B171		13.1125 13.1125–
י זום		13.1125-
	l l	13.13/3

H=Horizontally polarized propagated radio wave.

V=Vertically polarized propagated radio wave. R=Right-handed (clockwise) elliptically polarized propagated

radio wave.

L=Left-handed (counter-clockwise) elliptically polarized

propagated radio wave.

² See paragraph (I) of this section.

NOTE: Polarization designations shall be in accordance with IEEE standard 100–1972 as amended.

§ 78.18

GROUP B CHANNELS—Continued

Designation	Channel bound- aries (GHz)
B18 ¹	² 13.1375–
	13.1625
B19 ¹	2 13.1625-
	13.1875

1 See footnote 1 following GROUP A CHANNELS.
2 See paragraph (I) of this section.

NOTE: Polarization designations shall be in accordance with IEEE standard 100–1972 as amended.

(2) CARS stations using vestigal sideband AM transmission and FM trans- $\,$ mission requiring a necessary bandwidth of no more than 6 MHz.

GROUP C CHANNELS

Decignation

Channel bound-

	Designation	aries (GHz)
C01 ¹		12.7005– 12.7065
C02 ¹		12.7065– 12.7125
C03 ¹		12.7125
000		12.7185
C04 ¹		212.7185-
001		12.7225
C05 ¹		12.7225-
		12.7285
C06 ¹		12.7285-
		12.7345
C07 ¹		12.7345-
		12.7405
C08 ¹		12.7405-
		12.7465
C09 ¹		12.7465-
		12.7525
C10 ¹		² 12.7525–
		12.7545
C11 ¹		12.7545-
0401		12.7605
C12 ¹		12.7605– 12.7665
C13 ¹		12.7665-
C13 ·		12.7705
C14 ¹		12.7725-
014		12.7785
C15 ¹		12.7785-
0.0		12.7845
C16 ¹		12.7845-
		12.7905
C17 ¹		12.7905-
		12.7965
C18 ¹		12.7965-
		12.8025
C19 ¹		12.8025-
		12.8085
C20 ¹		12.8085-
0044		12.8145
C21 ¹		12.8145-
C22 ¹		12.8205
C22 ·		12.8205– 12.8265
C23 ¹		12.8265-
J25 ·		12.8325
C24 ¹		12.8325-
J		12.8385
C25 ¹		12.8385-
		12.8445

GROUP C CHANNELS—Continued

	Designation	Channel bound- aries (GHz)
C26 ¹		12.8445-
		12.8505
C27 ¹		12.8505-
		12.8565
C28 ¹		12.8565-
		12.8625
C29 ¹		12.8625-
		12.8685
C30 ¹		12.8685-
		12.8745
C31 ¹		12.8745-
		12.8805
C32 ¹		12.8805-
		12.8865
C33 ¹		12.8865-
		12.8925
C34 ¹		12.8925-
0054		12.8985
C35 ¹		12.8985-
0004		12.9045
C36 ¹		12.9045-
		12.9105
C37 ¹		12.9105-
		12.9165
C38 ¹		12.9165-
0001		12.9225
C39 ¹		12.9225-
0401		12.9285
C40 ¹		12.9285-
0444		12.9345
C41 ¹		12.9345-
0401		12.9405
C42 ¹		12.9405-
		12.9465

See footnote 1 following GROUP A CHANNELS.
 For transmission of pilot subcarriers or other authorized narrow band signals.

GROUP D CHANNELS

	Designation	Channel bound- aries (GHz)
D01 ¹		12.7597– 12.7657
D02 ¹		12.7657- 12.7717
D03 ¹		12.7717- 12.7717- 12.7777
D04 ¹		² 12.7777-
D05 ¹		12.7817 12.7817–
D06 ¹		12.7877 12.7877–
D07 ¹		12.7937 12.7937–
D08 ¹		12.7997 12.7997–
D09 1		12.8057 12.8057-
D10 1		12.8117 212.8117-
		12.8137 12.8137–
		12.8197
		12.8197– 12.8257
		12.8257– 12.8317
D14 ¹		12.8317– 12.8377

GROUP D CHANNELS—Continued

GROUP E CHANNELS—Continued

	Designation	Channel bound- aries (GHz)
D15 ¹		12.8377-
D 4 0 1		12.8437
D16 ¹		12.8437-
D471		12.8497
D17 ¹		12.8497-
D. 4.0.4		12.8557
D18 ¹		12.8557-
D191		12.8617
יפוט		12.8617– 12.8677
D20 ¹		12.8677
D20 ·		12.8737
D21 ¹		12.8737-
DZI		12.8797
D22 1		12.9797-
		12.8857
D23 ¹		12.8857-
		12.8917
D24 ¹		12.8917-
		12.8977
D25 ¹		12.8977-
		12.9037
D26 ¹		12.9037-
		12.9097
D27 1		12.9097-
		12.9157
D28 ¹		12.9157-
		12.9217
D29 1		12.9217-
		12.9277
D30 ¹		12.9277-
		12.9337
D31 ¹		12.9337-
D00 1		12.9397
D32 ¹		12.9397-
D22 1		12.9457
D33 ¹		12.9457– 12.9517
D34 ¹		12.9517
D34		12.9577
D35 ¹		12.9577-
200		12.9637
D36 ¹		12.9637-
		12.9697
D37 ¹		12.9697-
		12.9757
D38 ¹		12.9757-
		12.9817
D39 ¹		12.9817-
		12.9877
D40 ¹		12.9877-
		12.9937
D41 ¹		12.9937-
		12.9997
D42 ¹		12.9997-
		13.0057

See footnote 1 following GROUP A CHANNELS.
 See footnote 2 following GROUP C CHANNELS.

GROUP E CHANNELS

12.958		Designation	Channel bound- aries (GHz)
1	E01 1		12.9525-
202	E021		12.9585-
E03 ¹	E03 ¹		12.9645 12.9645- 12.9705

	Designation	Channel bound- aries (GHz)
E04 ¹		² 12.9705– 12.9745
E05 ¹		12.9745-
E06 ¹		12.9805 12.9805–
		12.9865
E07 ¹		12.9865– 12.9925
E08 ¹		12.9925-
E09 ¹		12.9985 12.9985–
E101		13.0045 213.0045
E111		13.0065 13.0065–
		13.0125
E121		13.0125– 13.0185
E131		13.0185– 13.0245
E141		13.0245-
E151		13.0305 13.0305–
		13.0365
E16 ¹		13.0365– 13.0425
E171		13.0425-
E181		13.0485 13.0485–
E191		13.0545 13.0545–
_10		13.0605
E20 ¹		13.0605– 13.0665
E21 ¹		13.0665-
E22 ¹		13.0725 13.0725–
		13.0785
E231		13.0785– 13.0845
E24 ¹		13.0845– 13.0905
E25 ¹		13.0905- 13.0965
E26 ¹		13.0965-
E27 ¹		13.1025 13.1025–
E281		13.1085 13.1085–
		13.1145
E291		13.1145– 13.1205
E30 ¹		13.1205– 13.1265
E31 ¹		13.1265– 13.1325
E32 ¹		13.1325-
E33 ¹		13.1385 13.1385–
E34 ¹		13.1445 313.1445–
E35 ¹		13.1505 313.1505-
		13.1565
E36 ¹		³ 13.1565– 13.1625
E37 ¹		³ 13.1625– 13.1685
E38 ¹		³ 13.1685–
		13.1745

GROUP E CHANNELS—Continued

Designation	Channel bound- aries (GHz)
E39 ¹	³ 13.1745–
	13.1805
E401	3 13.1805-
	13.1865
E41 ¹	3 13.1865-
	13.1925
E42 ¹	³ 13.1925-
	13.1985

¹ See footnote 1 following GROUP A CHANNELS. ² See footnote 2 following GROUP C CHANNELS. ³ See paragraph (I) of this section.

GROUP F CHANNELS

	Designation	Channel bound- aries (GHz)
F01 ¹		13.0125– 13.0185
F02 ¹		13.0185– 13.0245
F03 ¹		13.0245- 13.0305
F04 ¹		² 13.0305– 13.0345
F05 ¹		13.0345- 13.0405
F06 ¹		13.0405– 13.0465
F07 ¹		13.0465– 13.0525
F08 ¹		13.0525- 13.0585
F09 ¹		13.0585- 13.0645
F10 ¹		² 13.0645– 13.0665
F11 ¹		² 13.0665– 13.0725
F12 ¹		13.0725- 13.0785
F13 ¹		13.0785– 13.0845
F14 ¹		13.0845– 13.0905
F15 ¹		13.0905– 13.0965
F16 ¹		13.0965– 13.1025
F17 ¹		13.1025– 13.1085
F18 ¹		13.1085– 13.1145
F19 ¹		13.1145– 13.1205
F20 ¹		13.1205– 13.1265
F21 ¹		13.1265– 13.1325
F22 1		13.1325– 13.1385
F231		13.1385– 13.1445
F24 ¹		³ 13.1445– 13.1505
F25 1		³ 13.1505– 13.1565
F261		³ 13.1565– 13.1625
F27 ¹		³ 13.1625– 13.1685

GROUP F CHANNELS—Continued

	Designation	Channel bound- aries (GHz)
F28 ¹		³ 13.1685–
F29 ¹		13.1745 313.1745–
F30 ¹		13.1805 3 13.1805–
F31 ¹		13.1865
		³ 13.1865– 13.1925
F32 ¹		³ 13.1925– 13.1985

See footnote 1 following GROUP A CHANNELS.
 See footnote 2 following GROUP C CHANNELS.
 See paragraph (I) of this section.

(3) For CARS stations using AM and FM transmission requiring a necessary bandwidth of no more than 12.5 MHz.

GROUP K CHANNEL

	Designation	Channel bound- aries (GHz)
K01 ¹		12.7000-
		12.7125
K02 ¹		12.7125-
1/00 1		12.7250
K03 ¹		12.7250– 12.7375
K04 ¹		12.7375
KU4 ·		12.7575
K05 ¹		12.7500-
1100		12.7625
K06 ¹		12.7625-
		12.7750
K07 ¹		12.7750-
		12.7875
K08 ¹		12.7875-
		12.8000
K09 ¹		12.8000-
		12.8125
K10 ¹		12.8125-
		12.8250
K11 ¹		12.8250-
		12.8375
K12 ¹		12.8375-
		12.8500
K13 ¹		12.8500-
124 4 1		12.8625
K14 ¹		12.8625– 12.8750
K15 ¹		12.8750
KIJ.		12.8875
K16 ¹		12.8875-
1110		12.9000
K17 ¹		12.9000-
		12.9125
K18 ¹		12.9125-
		12.9250
K19 ¹		12.9250-
		12.9375
K20 ¹		12.9375-
		12.9500
K21 ¹		12.9500-
		12.9625
K22 ¹		12.9625-
14004		12.9750
K23 ¹		12.9750-
		12.9875

GROUP K CHANNEL—Continued

Designation	Channel bound- aries (GHz)
K241	12.9875-
K25 ¹	13.0000 13.0000– 13.0125
K26 ¹	13.0125- 13.0250
K27 ¹	13.0250- 13.0375
K28 ¹	13.0375– 13.0500
K29 ¹	13.0500– 13.0625
K30 ¹	13.0625- 13.0750
K31 ¹	13.0750– 13.0875
K32 ¹	13.0875– 13.1000
K33 ¹	13.1000– 13.1125
K34 ¹	13.1125– 13.1250
K35 ¹	13.1250– 13.1375
K36 ¹	13.1375– 13.1500
K37 ¹²	13.1500– 13.1625
K38 ¹²	13.1625- 13.1750
K39 ¹²	13.1750– 13.1875
K40 ¹²	13.1875– 13.2000

 $^{^{\}rm 1}\,{\rm See}$ footnote 1 following GROUP A CHANNELS. $^{\rm 2}\,{\rm See}$ paragraph (I) of this section.

(4) The Cable Television Relay Service is also assigned the following frequencies in the 17,700 to 19,700 MHz band. These frequencies are co-equally shared with stations in fixed service under Parts 21, 74 and 94 of the Commission's Rules. Applicants may use either a two-way link or one or both frequencies of a frequency pair for a oneway link and shall coordinate proposed operations pursuant to procedures required in §21.100(d). These bands may be used for analog or digital modula-

(i) 2 MHz maximum authorized bandwidth channel:

Transmit (receive) (MHz)	Receive (transmit) (MHz)
18141.0	n/a

(ii) 6 MHz maximum authorized bandwidth channels:

Transmit (receive) (MHz)	Receive (transmit) (MHz)
216 MHz Separation	
18145.0	n/a
18151.0	18367.0
18157.0	18373.0
18163.0	18379.0
18169.0	18385.0
18175.0	18391.0
18181.0	18397.0
18187.0	18403.0
18193.0	18409.0
18199.0	18415.0
18205.0	18421.0
18211.0	18427.0
18217.0	18433.0
18223.0	18439.0
18229.0	18445.0
18235.0	18451.0
18241.0	18457.0
18247.0	18463.0
18253.0	18469.0
18259.0	18475.0
18265.0	18481.0
18271.0	18487.0
18277.0	18493.0
18283.0	18499.0
18289.0	18505.0
18295.0	18511.0
18301.0	18517.0
18307.0	18523.0
18313.0	18529.0
18319.0	18535.0
18325.0	18541.0
18331.0	18547.0
18337.0	18553.0
18343.0	18559.0
18349.0	18565.0
18355.0	18571.0
18361.0	18577.0

(iii) 10 MHz maximum authorized bandwidth channels:

Transmit (receive) (MHz)	Receive (transmit) (MHz)
1560 MHz Separation	
17705.0	19265.0
17715.0	19275.0
17725.0	19285.0
17735.0	19295.0
17745.0	19305.0
17755.0	19315.0
17765.0	19325.0
17775.0	19335.0
17785.0	19345.0
17795.0	19355.0
17805.0	19365.0
17815.0	19375.0
17825.0	19385.0
17835.0	19395.0
17845.0	19405.0
17855.0	19415.0
17865.0	19425.0
17875.0	19435.0
17885.0	19445.0
17895.0	19455.0
17905.0	19465.0
17915.0	19475.0

§ 78.18

Transmit (receive) (MHz)	Receive (transmit) (MHz)
17925.0	19485.0
17935.0	19495.0
17945.0	19505.0
17955.0	19515.0
17965.0	19525.0
17975.0	19535.0
17985.0	19545.0
17995.0	19555.0
18005.0	19565.0
18015.0	19575.0
18025.0	19585.0
18035.0	19595.0
18045.0	19605.0
18055.0	19615.0
18065.0	19625.0
18075.0	19635.0
18085.0	19645.0
18095.0	19655.0
18105.0	19665.0
18115.0	19675.0
18125.0	19685.0
18135.0	19695.0

(iv) $20~\mathrm{MHz}$ maximum authorized bandwidth channels:

Transmit (receive) (MHz)	Receive (transmit) (MHz)	
1560 MHz Separation		
17710.0	19270.0	
17730.0	19290.0	
17750.0	19310.0	
17770.0	19330.0	
17790.0	19350.0	
17810.0	19370.0	
17830.0	19390.0	
17850.0	19410.0	
17870.0	19430.0	
17890.0	19450.0	
17910.0	19470.0	
17930.0	19490.0	
17950.0	19510.0	
17970.0	19530.0	
17990.0	19550.0	
18010.0	19570.0	
18030.0	19590.0	
18050.0	19610.0	
18070.0	19630.0	
18090.0	19650.0	
18110.0	19670.0	
18130.0	19690.0	

(v) 40 MHz maximum authorized bandwidth channels:

Transmit (receive) (MHz)	Receive (transmit) (MHz)
1560 MHz Separation	
17720.0	19280.0
17760.0	19320.0
17800.0	19360.0
17840.0	19400.0
17880.0	19440.0
17920.0	19480.0
17960 0	10520.0

Transmit (receive) (MHz)	Receive (transmit) (MHz)
18000.0	19560.0
18040.0	19600.0
18080.0	19640.0
18120.0	19680.0

(vi) 80 MHz maximum authorized bandwidth channels:

Transmit (receive) (MHz)	Receive (transmit) (MHz)
1560 MHz Separation	
17740.0	19300.0 19380.0 19460.0 19540.0 19620.0

(5) 6425 to 6525 MHz-Mobile Only. Paired and unpaired operations permitted. Use of this spectrum for direct delivery of video programs to the general public or multi-channel cable distribution is not permitted. This band is co-equally shared with mobile stations licensed pursuant to parts 21, 74 and 94 of the Commission's Rules. The following channels plans apply.

(i) I MHz maximum authorized bandwidth channels.

Transmit (or receive) (MHz)	Receive (or transmit) (MHz)
6425.5 6450.5	

(ii) 8 MHz maximum authorized bandwidth channels.

Receive (or transmit) (MHz)
6480.0
6488.0
6596.0
6505.0
6513.0
6521.0

(iii) 25 MHz maximum authorized bandwidth channels.

Transmit (or receive) (MHz)	Receive (or transmit) (MHz)
6437.5	6487.5
6462.5	6512.5

(6) 1990–2110 MHz—Mobile only. Use of this spectrum for direct delivery of video programs to the general public or multi-channel cable distribution is not permitted. This band is co-equally shared with stations licensed pursuant

to parts 21 and 74 of the Commission's Rules. (Common carriers may use this band pursuant to provisions of §21.801(b).) The following channeling plan applies subject to the provisions of §74.604.

Frequency Band (MHz)

1990-2008 2008-2025 2025-2042 2042-2059 2059-2076 2076-2093 2093-2110

(7) 6875-7125 MHz—Mobile only. Use of this spectrum for direct delivery of video programs to the general public or multi-channel cable distribution is not permitted. This band is co-equally shared with stations licensed pursuant to parts 21 and 74 of the Commission's Rules. (Common carriers may use this band pursuant to provisions of §21.801(b).) The following channeling plan applies subject to the provisions of §74.604.

Frequency Band (MHz)

6875—6900 6900—6925 6925—6950 6950—6975 6975—7000 7000—7025 7025—7050 7075—7100 7100—7125

(b) Television Auxiliary Broadcast Service stations may be assigned channels in the band 12.70-13.20 GHz subject to the condition that no harmful interference is caused to fixed CARS stations authorized at the time of such grants. Translator Relay stations are assigned on a secondary basis. New CARS stations shall not cause harmful interference to television STL and intercity relay stations authorized at the time of such grants. Television pickup stations and CARS pickup stations will be assigned channels in the band on a co-equal basis subject to the conditions that they accept interference from and cause no interference to existing or subsequently authorized television STL, television intercity relay, or fixed CARS stations. Channels in the 13.150-13.200 GHz band will be assigned exclusively to television pickup and CARS pickup stations on a coequal basis. A cable television system operator will normally be limited in any one area to the assignment of not more than three channels for CARS pickup use: *Provided, however,* That additional channels may be assigned upon a satisfactory showing that additional channels are necessary and are available

- (c) An application for a CARS station shall be specific with regard to the channel or channels requested. Channels shall be identified by the appropriate designations set forth in paragraph (a) of this section.
- (d) For CARS Fixed stations using FM transmission with an authorized bandwidth per channel of 25 MHz, to conserve spectrum applicants are encouraged to use alternate A and B channels such that adjacent R.F. carriers are spaced 12.5 MHz. As example, a fixed station in the CARS, relaying several channels, would use A01, B01, A02, B02, A03, etc.
- (e) For CARS stations using vestigial sideband AM transmissions, channels from only the Groups C, D, E or F and those frequencies listed in paragraph (a)(4)(ii) of this section normally will be assigned a station, although upon adequate showing variations in the use of channels in Groups C, D, E or F and those frequencies listed in paragraph (a)(4)(ii) of this section may be authorized on a case-by-case basis in order to avoid potential interference or to permit a more efficient use. In situations where the number or the arrangement of channels available in these groups is not adequate, or in order to avoid potential interference, or in order to achieve the required VHF channelization arrangement on the cable television system or for repeated operations, or for two way transmission, or upon the showing of other good cause, the use of channels in the Groups C, D, E or F and those frequencies listed in paragraph (a)(4)(ii) of this section may be authorized. Applicants are encouraged to apply for adjacent channels within each group of channels, except that different channel arrangements may be authorized when required to conform to the required channelization

arrangement at VHF on the cable television system, when it is necessary to transmit non-adjacent off-the-air channels or signals intended to fill non-adjacent slots in the spectrum, or to avoid potential interference, or upon other showing of good cause.

- (f) For vestigial sideband AM transmission, the assigned visual carrier frequency for each channel listed in Groups C, D, E or F and those frequencies listed in paragraph (a)(4)(ii) of this section shall be 1.25 MHz above the lower channel-edge frequency. The center frequency for the accompanying FM aural carrier in each channel shall be 4.5 MHz above the corresponding visual carrier frequency.
- (g) For CARS stations using double sideband AM transmission or FM transmission with authorized bandwidth of no more than 12.5 MHz, Group K channels normally will be assigned to a station, although upon adequate showing variations in the use of channels in Group K may be authorized on a case-by-case basis in order to avoid potential interference or to permit a more efficient use.
- (h) For double sideband AM transmission, the assigned carrier frequency for each channel listed in Group K shall be 6.25 MHz above the lower boundary frequency for each channel, and the sideband frequencies corresponding to the carrier frequency of the accompanying FM aural signal shall be 4.5 MHz above and below the visual carrier frequency.
- (i) All stations shall employ no more than a 12.5 MHz authorized bandwidth per channel except in any one or more of the following circumstances:
- (1) The station is a CARS pickup station;
- (2) The transmission path is more than 16.1 km (10 miles) in length;
- (3) The station was authorized or an application was on file therefor prior to July 26, 1973.
- (4) Other good cause has been shown that use of a bandwidth of 12.5 MHz or less per channel would be inefficient, impractical, or otherwise contrary to the public interest.
- (j) Should any conflict arise among applications for stations in this band, priority will be based on the filing date

of an application completed in accordance with the instructions thereon.

- (k) Applicants for Group K channels shall apply for adjacent channels and the requested channels shall overlap the least possible number of Group A channels, except that different channel arrangements may be authorized upon an adequate showing that the foregoing arrangement cannot be used or would be contrary to the public interest, or in order to avoid potential interference or to permit a more efficient use.
- (l) The band 13.15–13.20 GHz is reserved exclusively for the assignment of CARS Pickup and Television Pickup stations on a co-equal basis within a 50 km radius of each of the 100 television markets delineated in §76.51. Fixed Television Auxiliary stations licensed pursuant to applications accepted for filing before September 1, 1979, may continue operation on channels in the 13.15–13.20 GHz band, subject to periodic license renewals.

[37 FR 3292, Feb. 12, 1972. Redesignated at 37 FR 15926, Aug. 8, 1972.]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §78.18, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§ 78.19 Interference.

- (a) Applications for CARS stations shall endeavor to select an assignable frequency or frequencies which will be least likely to result in interference to other licensees in the same area since the FCC itself does not undertake frequency coordination.
- (b) Applicants for CARS stations shall take full advantage of all known techniques, such as the geometric arrangement of transmitters and receivers, the use of minimum power required to provide the needed service, and the use of highly directive transmitting and receiving antenna systems, to prevent interference to the reception of television STL, television intercity relay, and other CARS stations.
- (c)(1) Radio Astronomy and Radio Research Installations. In order to minimize harmful interference at the National Radio Astronomy Observatory site located at Green Bank, Pocahontas County, W. Va., and at the Naval Radio Research Observatory at Sugar Grove,